

V I T A

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Academic Background

Degrees

Ph.D., University of Wisconsin, Madison, December 1976
M.A., University of Wisconsin, Madison, June 1972
B.A., University of Wisconsin, Madison, June 1969

Professional Experience

James Madison University, Department of Economics, 1977-present
Scuola Superiore Sant'Anna, Pisa, Italy, Visiting Professor, Summer 2013; Summer 2015
Universidad de San Francisco de Quito, Ecuador, Visiting Professor, Summer 2011
Max Planck Institute of Economics, Jena, Germany, Summer Institute, 2008

J. Barkley Rosser, Jr.
Page 2

Chuo University, Tokyo, Japan, Visiting Professor, Summer 2005
Università Politecnica della Marche, Ancona, Italy, Visiting Professor, Summer 2004
University of Paris-South-XI-Sceaux, France, Visiting Professor, Fall 2002
University of Newcastle, Australia, Visiting Research Professor, Summer 1995
Umeå University, Sweden, Visiting Research Professor, Summer 1994
University of Wisconsin-Madison, Department of Economics, Summer Session, 1993, 1992, 1991, 1989, 1988, 1986, 1985, 1979
University of Wisconsin-Madison, Visiting Fellow, Summer 1996, Summer 1997, Summer 1998, Summer 1999, Summer 2000, Summer 2001, Summer 2003, Summer 2006, Summer 2009, Summer 2010
Saudi Computer and Information Center, 1981
U.S. Forest Service, 1980
Mary Baldwin College, Urban Economics and Environmental Planning, 1977
Wisconsin Department of Natural Resources, 1976
Wisconsin State Planning Office, 1975-1976
Institute for Environmental Studies, University of Wisconsin-Madison, 1972-1975

Fields of Interest

Economic Theory
Complex Nonlinear Systems
Environmental and Ecological Economics
Urban and Regional Economics
Comparative Economic Systems
International Macroeconomics and Finance

References

Eugene Smolensky, Graduate School of Public Policy, University of California, 2607 Hearst Avenue, Berkeley, California 94720
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Publications

Books

From Catastrophe to Chaos: A General Theory of Economic Discontinuities, Vol. I: Mathematics, Microeconomics, Macroeconomics, and Finance, Second Edition, Boston: Kluwer Academic Publishers, 2000.

Instructor's Manual for Comparative Economics in a Transforming World Economy (with Marina V. Rosser), Chicago: Richard D. Irwin, Inc., 1996., third Edition, 2018, Cambridge: MIT Press..

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European Economics at a Crossroads (with David Colander and Richard P.F. Holt), Cheltenham: Edward Elgar, 2010.

Complex Evolutionary Dynamics in Urban-Regional and Ecological Economic Systems: Beyond Catastrophe and Chaos. Heidelberg: Springer, 2011.

Articles and Comments in Refereed Journals

“Consistency and Incompleteness in General Equilibrium Theory,” (with Mauro Gallegati and Simone Landini), *Journal of Evolutionary Economics*, 2018, forthcoming.

“The Economist Watcher: The Economic Contributions of David Colander,” (with Richard P.F. Holt), *Review of Political Economy*, 2018, in press.

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“The Minsky Moment as the Revenge of Entropy,” *Macroeconomic Dynamics*, 2018, in press.

“Complexity and Institutional Evolution,” (with Marina V. Rosser) *Evolutionary and Institutional Economic Review*, December 2017, vol. 14, no. 2, pp. 415-430.

“Speculative Behavior and Islamic Investments,” (with Ehsan Ahmed and Jamshed Y. Uppal) *Journal of Emerging Markets*, Spring-Fall 2017, vol. 21, nos. 1-2, pp. 1-20.

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“Financialization and Speculative Bubbles: International Evidence,” (with Ehsan Ahmed and Jamshed Y. Uppal) *Journal of Applied Business and Economics*, 2017, vol. 19, no. 1, pp. 10-29.

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“Governance Issues in Complex Ecologic-Economic Systems,” *Review of Behavioral Economics*, 2016, vol. 3, nos. 3-4, pp. 335-357.

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- "Discrete Dynamics in Transitional Economies" (with Marina V. Rosser), *Discrete Dynamics in Nature and Society*, 1998, vol. 1, no. 4, pp. 269-281.
- "William Vickrey's Legacy: Innovative Policies for Social Concerns," (with David C. Colander, Richard P.F. Holt, and David A. Kennett) *Eastern Economic Journal*, Winter 1998, vol. 24, no. 1, pp. 1-6.
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Commented [JC3]: Place new entries at top.

“Austrian Themes and the Cambridge Controversies in the Theory of Capital”

“A Global Perspective on the Non-Observed Economy, Inequality, Corruption, and Social Capital”
(with Ehsan Ahmed and Marina V. Rosser)

“Complex Dynamics in Transitional Economies and the New Comparative Economics,” (with
Marina V. Rosser)

Ph.D. Thesis

"Essays Related to Spatial Discontinuities in Land Values at the Urban-Rural Margin," Department
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Papers Delivered

“Entropy and Urban and Regional Structural Patterns,” The Economy as a Spatial Complex
System – II, University of Naples Federico II, Italy, June 2018.

“The Economist Watcher: The Economic Contributions of David Colander,” Eastern Economic
Association, Boston, March 2018.

“Austrian Themes and the Cambridge Controversies in the Theory of Capital,” Eastern
Economic Association, Boston, March 2018.

“Sraffa and Hayek on Capital Theory Reconsidered,” Southern Economic Association, Tampa,
FL, November 2017.

“Entropy and Econophysics,” Keynote Address, Inaugural International Conference on Complex
Information and Financial Market Dynamics, Tianjin University, China, December 2016.

“The Minsky Moment as the Revenge of Entropy,” Keynote Address, Conference on Crisis and
Sustainability, Polytechnic University of Marche, Ancona, Italy, September 2016; 10th
International Nonlinear Economic Dynamics Conference, University of Pisa, Italy, September
2017; New School for Social Research, New York, October 2017; Eastern Economic
Association, Boston, March 2018..

“How to be a Dissenting Economist,” Eastern Economic Association, Washington, February 2016.

“Detection of Nonlinear Speculative Bubbles in Emerging Markets,” Eastern Economic Association, Washington, February 2016.

“Complexity and Economic Institutions,” Southern Economic Association, New Orleans, November 2015; Japan Association for Evolutionary Economics, University of Tokyo, March 2016; Dynamic Modeling in Economics and Finance, Urbino, Italy, June 2016.

“The Status of Agent-Based Modeling in Macroeconomics,” Agent-Based Modeling and Stock-Flow Consistent Macroeconomics, Institute for New Economic Thinking, Monte Conero, Italy, September 2014.

“Complexity and Behavioral Economics,” Society for the Advancement of Behavioral Economics conference, Lake Tahoe, July 2014, Plenary Address, Society for Chaos Theory in Psychology and the Life Sciences, Marquette University, Milwaukee, August 2014, Southern Economic Association conference, Atlanta, November 2014, Eastern Economic Association meetings, February 2015; Association for Private Enterprise, Cancun, Mexico, April 2015; European Society for New Institutional Economics, Institut d’Étude Scientifique, Cargèse, Corsica, France, June 2015; Nonlinear Economic Dynamics Society, Chuo University, Tokyo, June 2015..

“Varieties of Keynesian Economics,” Sustainable Development in the 21st Century conference, Institute of New Economic Thinking, New School of Social Research, New York, April 2014.

“The Paradox of New Traditional Confucian Economics in the Two Koreas,” Southern Economic Association, Tampa, Florida, November 2013.

“A Conceptual History of Economic Dynamics,” Summer Workshop in History of Economics,” University of Richmond, June 2013; Eastern Economic Association, Boston, March 2014.

“Are There Speculative Bubbles in Commodity Prices?” Eastern Economic Association meetings, New York, May 2013; 12th Post Keynesian Workshop, University of Missouri-Kansas City, October 2014..

“Special Problems of Complex Nonlinear Dynamics in Forests as Ecologic-Economic Systems,” 17th conference of Japan Association for Evolutionary Economics, Chuo University, Tokyo, Japan, March 2013; 7th Nonlinear Economic Dynamics Society conference, Honoring Richard M. Goodwin, University of Siena, Italy, July 2013..

“The Current State of Complexity Economics,” Workshop on the Foundations of Complexity Economics, Esalen Institute, Big Sur, CA, October 2012, Santa Fe Institute, July 2014.

“Natural Selection versus Emergent Self-Organization in Evolutionary Political Economy,” Entangled Political Economy Workshop, Lake Louise, Alberta, Canada, September 2012; Nonequilibrium Social Science Conference on Microfoundations of Macrophenomena, Montecenero, Italy, October 2012; James Madison University, October 2012; Southern Economic Association, November 2012.

“Complexities of Natural Selection Processes,” Seventh Conference on Nonlinear Dynamic Modeling in Economics and Finance, Urbino University, Italy, September 2012.

“Special Problems of Forests as Ecologic-Economic Systems,” Keynote Address, Advances in Forestry Economics, ETH University, Zurich, Switzerland, July 2012.

“The Evolution of Hyperbolic Discounting: Implications for Truly Social Environmental Valuation,” International Society for Ecological Economics, Rio de Janeiro, Brazil, June 2012; American University Department of Economics, September 2013.

“The Complex Evolution of Duncan K. Foley as a Complexity Economist,” Festschrift Conference in Honor of Duncan Foley, New School for Social Research, New York, April 2012.

“Complexity and Disequilibrium,” Non-Equilibrium Social Sciences Workshop, Brussels, Belgium, April 2012.

“Commodity Speculation: Are There Nonlinear Bubbles?” Eastern Economic Association, Boston, March 2012.

“Governance Issues in Complex Ecologic-Economic Systems” Plenary Address, Authors’ Colloquium in Honor of Elinor Ostrom, ZIF, Bielefeld University, Germany, November 2011; New Economic School, Moscow, Russia, May 2012.

“A Transdisciplinary Perspective on Complexity.” Lectio Magistralis at Graduate School of Social Sciences, Trento University, Italy, November 2011.

“A Minsky-Kindleberger Perspective on the Financial Crisis,” (with Marina V. Rosser and Mauro Gallegati), Conference on Economic Policy Implications of Heterogeneous Agents, Catholic University, Milan, Italy, October 2011; AFEE/ASSA Chicago, January 2012; Eastern Economic Association, Boston, March 2012..

“The Influence of Confucianism in Economic Policy in North and South Korea” (with Marina V. Rosser), 16th World Congress of the International Economic Association, Tsinghua University, Beijing, China, July 2011; La Sorbonne, Paris, France, December 2011.

“Financial Development and Bubbles: The Case of the Karachi Stock Exchange of Pakistan,” (with Ehsan Ahmed and Jamshed Y. Uppal), 16th World Congress of the International Economic Association, Tsinghua University, Beijing, China, July 2011.

“Evolution and Complexity,” Workshop on Economics and Evolution, Duke University, May 2011.

“Complex Nonlinear Dynamics in Urban-Regional Systems and Patterns of Development,” Invited plenary at International Conference on Nonlinear Dynamics in Economics and Financial Modeling, Guangzhou University, China, April 2011.

“How Nonlinear Dynamics Complicate the Global Warming Problem,” 6th Conference on Dynamics Modelling in Economics and Finance, Urbino University, Italy, September, 2010; Society for Nonlinear Dynamics and Econometrics, George Washington University, Washington, March 2011.

“On the Foundations of Mathematical Economics,” 11th Workshop on Optimal Control Theory, Dynamic Games, and Nonlinear Dynamics, University of Amsterdam, The Netherlands, June 2010; Workshop on The Probabilistic Impulse in Modern Economic Theory, Institute for Mathematical Sciences, National University of Singapore, January 2011; Central Economics and Mathematics Institute, Moscow, Russia, May 2012.

“Can Economics of Civilization Encompass New Institutional and New Traditional Economics? The Case of Neo-Confucian Korea,” Eastern Economic Association, Philadelphia, February 2010; East Meets West,” James Madison University, March 2010.

“Chaos Theory Before Lorenz,” American Economic Association/History of Economics Society, ASSA/AEA meetings, Atlanta, January 2010; James Madison University, February 2010.

“The New Institutional Economy and the New Traditional Economy in Korea: Does the Confucian Tradition Give it a Competitive Edge?” Institutions and National Competitiveness, Seoul National University, Korea, August 2009.

“Emerging Markets and Stock Market Bubbles: Nonlinear Speculation?” Computing in Economics and Finance, 15th conference of the Society of Computational Economics, University of Technology-Sydney, Australia, July 2009.

“Nonlinear Dynamics in Urban and Regional Economics,” Keynote address to Sixth Conference on Nonlinear Economic Dynamics, Jönköping University, Sweden, June 2009.

“Complex Dynamics in Ecologic-Economic Systems,” Southern Economic Association, Washington, November 2008; plenary address 9th conference of Nonlinear Economic Dynamics Society, University of Technology, Cartagena, Spain, June 2011; Department of Mathematics, George Mason University, February 2012.

“Proposals for Regulation of the US Financial System,” Conference on “The Financial Crisis, The US Economy, and International Security in the New Administration,” Economists for Peace and Security, New School University, New York, November 2008.

“How Complex are the Austrians?” Conference on “What is so Austrian about Austrian Economics?” Wirth Institute, University of Toronto at Mississauga, Ontario, Canada, October 2008.

“Post Keynesian Perspectives and Complex Ecologic-Economic Dynamics,” Max Planck Institute of Economics Summer Institute, Jena Germany, August 2008.

“A Global Perspective on the Non-Observed Economy, Income Inequality, Corruption, and Social Capital,” (with Ehsan Ahmed and Marina V. Rosser) 15th World Congress of the International Economic Association, Istanbul, Turkey, June 2008.

“Is a Transdisciplinary Perspective on Economic Complexity Possible?” plenary address at conference on “Transdisciplinary Perspectives on Economic Complexity,” James Madison University, May 2008; Modelli Dinamici in Economia e Finanza (workshop held to honor my 60th birthday), Urbino, Italy, September, 2008; keynote address, combined conference of Winter Workshop on Economic Heterogeneous Interacting Agents and Seventh Annual conference of Computational Intelligence in Economics and Finance, Kainan University Taoyuan, Taiwan, December 2008; Conference on “The Economic Crisis and its Implications for the Science of Economics,” Perimeter Institute of Theoretical Physics, Waterloo, Ontario, May 2009.

“Econophysics and Economic Complexity,” plenary address, Econophysics and Beyond Colloquium, Polytechnic University of the Marches, Ancona, Italy, September 2007; Institute of Physical Science and Technology, University of Maryland, February 2008; Faculty of Economics, Richard Goodwin, University of Siena, Italy, March 2008; Society for Nonlinear Dynamics and Econometrics, San Francisco, April 2008; Society for Chaos Theory in Psychology and Life Sciences, Richmond VA, August 2008; Plenary address at Workshop on the Future of the Social Sciences, ETH, Zurich, Switzerland, August 2008.

“On the Future of Microfoundations,” Workshop on Agent Based Economics and Financial Fragility, University of Trento, Italy, December 2006.

“A Critique of the New Comparative Economics,” (with Marina V. Rosser), Southern Economic

Association, Charleston, SC, November 2006; San José State University, California, May 2007; ATOM, University of Paris I, Panthéon-Sorbonne, October 2007; 15th World Congress of the International Economic Association, Istanbul, Turkey, June 2008.

“Debating the Role of Econophysics,” International School of Complexity: Physics and Socio-Economic Phenomena, Ettore Majorana Center Scientific Culture, Erice, Italy, September 2006.

“Financial Crashes and the Evolution of the World Economy,” Ninth International Post Keynesian Conference, University of Missouri-Kansas City, September 2006.

“Computational and Dynamic Complexity in Economics,” Issues in Computable Economics, Trento University, Italy, May 2006; *Modelli dinamiche e finanza*, Urbino University, Italy, September 2006; Society for Nonlinear Dynamics and Econometrics, ENSAE, Paris, March 2007; Workshop on Innovations and Complexity, Pollenza, Italy, June 2007; Max Planck Institute of Economics Summer Institute, Jena Germany, August 2008.

“The Nature and Future of Econophysics,” Econophysics of Stock Markets and Minority Games II, Saha Institute of Nuclear Physics, Kolkata, India, February 2006.

“Institutional Evolution of Environmental Management under Global Environmental Growth,” (with Marina V. Rosser), Association for Evolutionary Economics, ASSA, Boston, January 2006.

“Institutional Evolution and the Environmental Kuznets Curve,” International Conference on Environment and Development, Gokhale Institute of Politics and Economics, Pune, India, April 2005; Southern Economic Association, Washington, D.D., November 2005.

“The Changing Face of Mainstream Economics,” (with David Colander and Richard P.F. Holt) Southern Economic Association, New Orleans, November 2004.

“Interacting Heterogeneous Agents and the Period of Financial Distress in Speculative Bubbles and Crashes,” (with Mauro Gallegati and Antonio Palestrini) Conference on Heterogeneous Agents and Economic Dynamics, University of Siena, Italy, September 2004; Southern Economic Association, Washington, D.C., November 2005; Eastern Economic Association, Philadelphia, February 2006; Society for Nonlinear Dynamics and Econometrics, St. Louis, March 2006; South and Southeast Asian Econometric Society, Chennai, India, December 2006.

“Epistemological Implications of Economic Complexity,” plenary address, Conference on Complex Dynamic Economics, Chuo University, Tokyo, August 2004; Department of Philosophy, James Madison University, October 2004; Southern Economic Association, New Orleans, November 2004.

“Market Dynamics and Stock Price Volatility,” (with Honggang Li) Society for Computational

Economics, University of Amsterdam, July 2004.

“*The Road to Serfdom* and the World Economy: 60 Years Later,” Eastern Economic Association, Washington, February 2004; Program in Economics, James Madison University, September 2004.

“Income Inequality, Corruption, and the Non-Observed Economy: A Global Perspective,” (with Ehsan Ahmed and Marina V. Rosser), Southern Economic Association, San Antonio, November 2003; Eastern Economic Association, Washington, February 2004; Conference on New Economic Windows II: Complexity Hints and Economic Policy Design, Salerno, Italy, September, 2004; Association for Comparative Economics, Philadelphia, January 2005.

“Complex Dynamics and Post Keynesian Economics,” Complexity, Endogenous Money, and Exogenous Interest Rates: Conference to Honour Basil J. Moore, University of Stellenbosch, South Africa, January 2004; Eastern Economic Association, New York, March 2005; Quantitative Economics Seminar, Bielefeld University, Germany, July 2005.

“A New Perspective on the Changing Face of Economics,” Society for the Advancement of Behavioral Economics, Lake Tahoe, July 2003.

“Complex Ecologic-Economic Dynamics and Forestry Management Policy,” keynote address, Conference on Complex Behavior in Economics: Modeling, Computing, and Mastering Complexity, Complexity 2003, Aix-en-Provence, France, May 2003; Pacific Regional Science Council, Okinawa, Japan, September 2003; plenary address, Conference on the Economics of Sustainable Forestry and Natural Resource Economics, University of Toronto, May 2004; Economics Seminar, James Madison University, February 2005..

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“Adaptive and Statistical Expectations in Renewable Resource Markets,” (with Ilaria Foroni and Laura Gardini), Third International Conference on Discrete Chaotic Dynamics in Nature and Society, Chuo University, Tokyo, September 2002.

“A reconsideration of the role of discontinuity in regional economic models,” Complex Dynamics in Time and Space, conference to honor Tõnu Puu, University of Southern Denmark, Odense, August 2002; Conference on Complex Dynamic Modeling of Economic Behavior, Aix-en-Provence, France,

May 2003.

“The Cutting Edge of Economics,” (with David Colander and Richard P.F. Holt), Eastern Economic Association, Boston, March 2002.

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“Fisheries Management and Complex Dynamics,” First conference of the United States Society for Ecological Economics, Duluth, July 2001.

“The Development of Complex Oligopoly Dynamics,” Conference on Oligopoly and Complex Dynamics, Umeå, Sweden, June 2001.

“The Transition Between the Old and New Traditional Economies in India” (with Marina V. Rosser) Eastern Economic Association, New York, February 2001.

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“Paradigm Lost: The Transformation of Comparative Economics” (with Marina V. Rosser) Madison Scholar Lecture, College of Business, James Madison University, October 2000.

“Fisheries Management and Complex Dynamics” Pacific Regional Science Council and Japan Science Council, Tokyo, October 2000.

“The History of Catastrophe Theory” History of Economics Seminar, Duke University, September 2000.

“Complex Economic Dynamics in the New World Economy” Strategic Assessments Group, Rosslyn, VA July 2000.

“Multiple Unofficial Economy Equilibria and Income Distribution Dynamics in Systemic Transition” (with Marina V. Rosser and Ehsan Ahmed) Second International Conference on Discrete Chaotic

Dynamics in Nature and Society, Odense, Denmark, May 2000, Sixth Post Keynesian Workshop, Knoxville, June 2000, Southern Economic Association, Crystal City, November 2000, Association for Comparative Economic Studies, Atlanta, January 2002, Eastern Economic

Association, Boston, March, 2002, and Conference on Macrodynamic Modeling, UNAM, Mexico City, March 2003.

"Evidence of Nonlinear Speculative Bubbles in Chinese Financial Markets in the 1990s" (with Ehsan Ahmed and Honggang Li) Eastern Economic Association meetings, Crystal City/Arlington, March 2000.

"Keynesian Comparative Economics: The Iconoclastic Revisionism of Lynn Turgeon" (with Timothy A. Canova, Richard P.F. Holt, Robert N. Horn, and Marina V. Rosser) Eastern Economic Association, Crystal City/Arlington, March 2000.

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"Volatility via Social Flaring" and "Society for Nonlinear Dynamics and Econometrics" (with Ehsan Ahmed and Georg Hartmann), Conference on Dynamic Modeling in Economics and Finance, Urbino, Italy, September 2002; Atlanta Federal Reserve Bank, March 2001. Workshop on Expectations and Learning in Finance and Economics, University of Technology-Sydney, Australia, December 1999.

"The Evolution of Keynesian Views of Uncertainty and Expectation" Twelfth World Congress of the International Economic Association, Buenos Aires, August 1999, and James Madison University, October 1999.

"The Rise and Fall of Pacific Rim Bubbles" Eastern Economic Association, Boston, March 1999.

"On the Complexities of Complex Economic Dynamics" James Madison University, January 1999, and University of California-Riverside, February 1999, also at George Mason University, April 1999, and Brookings Institution, Washington, October 1999.

"Divergent Distributional Dynamics in Transitional Economies" (with Marina V. Rosser), Association for Comparative Economics, New York, January 1999, also at Middlebury College, April 1999, and at Society for the Advancement for Socio-Economics, Madison, July 1999, and Twelfth World Congress of International Economic Association, Buenos Aires, August 1999.

"Consistent Expectations Equilibria and Complex Dynamics in Renewable Resource Markets" (with Cars H. Hommes), Econometric Society, New York, January 1999, and Twelfth World Congress of International Economic association, Buenos Aires, August 1999.

"Self-Fulfilling Chaotic Mistakes: Some Examples," First International Conference on Discrete Chaotic Dynamics in Nature and Society, October 1998, Ben-Gurion University of the Negev, Beer-Sheva, Israel.

"Forms of Complex Dynamics in Transforming Economies," Fifth Post Keynesian Economics Conference, Knoxville, June 1998.

"Integrating the Complexity Vision into Mathematical Economics," Conference on Complexity and the Teaching of Economics, Middlebury College, April 1998.

"Complex Dynamics on Renewable Resource Markets" (with Car H. Hommes), Eastern Economic Association, New York, February, 1998.

"State-Space Examination of Bubbles in Exchange Rates" (with S. Kirk Elwood and Ehsan Ahmed), Eastern Economic Association, New York, February 1998.

"Discrete Dynamics in Transitional Economies" (with Marina V. Rosser), Eastern Economic Association, New York, February 1998.

"Uncertainty and Expectation," Eastern Economic Association, New York, February 1998.

"Statics and Dynamics in Value Theory," Eastern Economic Association, February 1998.

"Forms of Complex Dynamics in Transforming Economies" (with Marina V. Rosser), Sixth Viennese Workshop on Optimal Control, Dynamic Games, Nonlinear Dynamics and Adaptive Systems, Technical University of Vienna, Austria, May 1997.

"What Can We Say About Complex Macroeconomic Dynamics?" Conference on the Future of Classroom Macroeconomics, Middlebury College, April 1997.

"Islamic and Neo-Confucian Perspectives on the New Traditional Economy" (with Marina V. Rosser), Eastern Economic Association, Crystal City/Arlington, April 1997.

"Observations on the Work of William Vickrey: Innovative Policies for Social Concerns," Eastern Economic Association, Crystal City/Arlington, April 1997.

"Evidence of Nonlinear Speculative Bubbles in Pacific-Rim Stock Markets" (with Ehsan Ahmed and Jamshed Y. Uppal) Eastern Economic Association, Crystal City/Arlington, April 1997.

"Dialectics and Nonlinear Dynamics" Allied Social Science Association, New Orleans, January

1997.

"Coordination and Bifurcation in Growing Spatial Economies," Endogenous Growth and the Space Economy, Tinbergen Institute, Amsterdam, December 1996.

"The New Traditional Economy: A New Paradigm in Comparative Economics?" (with Marina V. Rosser), Sixth International Karl Polanyi Conference, Embedding Society and Economy in the Environment, Concordia University, Montreal, October 1996.

"Speculations on Nonlinear Speculative Bubbles," plenary address, Society for Study of Chaos Theory in Psychology and the Life Sciences, Berkeley, June 1996.

"Complexity and the Holmes/Moriarty Problem" (with Roger Koppl), Eastern Economic Association, Boston, March 1996.

"Macroeconomic Collapse During Systemic Change" (with Marina V. Rosser), Eastern Economic Association, Boston, March 1996.

"The Prehistory of Chaotic Economic Dynamics," International Economic Association, Tunis, December 1995.

"Nonlinear Analysis of Speculative Bubbles in Selected Stock Markets" (with Ehsan Ahmed and Jamshed Uppal), Southern Economic Association, New Orleans, November 1995.

"The Emergence of Chaotic Dynamics in Transitional Economies" (with Marina V. Rosser), Conference on Bifurcations and Chaos in Social and Economic Systems, Umea, Sweden, September 1995.

"New Evidence of Speculative Bubbles in Pakistani Stock Markets," (with Ehsan Ahmed and Jamshed Uppal), Eastern Economic Association, New York, March 1995.

"Complex Dynamics and Systemic Change: How Things Can Go Very Wrong," (with Marina V. Rosser), Allied Social Sciences Association, Washington, January 1995, also presented at University of Wisconsin-Madison, July 1995.

"A Complex Systems Dynamics Perspective on Post Keynesian and New Keynesian Economics," Post Keynesian Study Group, London, October 1994, also presented at University of Pisa, Italy, December 1994, University of Newcastle, Australia, May 1995.

"Exogenous versus Endogenous Factors in Systemic Reorganization," International Conference on the Complexity and Self-Organization of Socio-Economic Systems, Beijing, October 1994.

"Nonlinear Speculative Bubbles in the Pakistani Stock Market," (with Ehsan Ahmed), Eastern Economic Association, Boston, March 1994.

"Chaos Theory and the Macrofoundations of Micro," Eastern Economic Association, Boston, March 1994, also presented at Middlebury College, April 1994.

"Complex Bubble Persistence in Closed-End Country Funds," (with Ehsan Ahmed, Roger Koppl, and Mark White), Eastern Economic Association, Boston, March 1994, also presented at Claude Fourgeaud Seminar in Economic Theory, Paris, November 1994, Cranfield University, England, December 1994, Middlebury College, April 1995, University of technology-Sydney, Australia, May 1995.

"Systemic Crises in Hierarchical Ecological Economies," Allied Social Sciences Association, Boston, January 1994, also presented at University of Newcastle, Australia, May 1995.

"Discontinuous Change in Multilevel Hierarchical Systems," (lead author) (with Carl Folke, Folke Gunther, Heikki Isomaki, Charles Perrings, Garry Peterson, and Tonu Puu), Workshop on Complex Ecological Economic Systems Modeling, Beijer International Institute of Ecological Economics, Swedish Royal Academy of Sciences, Stockholm, September 1993.

"Schumpeterian Evolutionary Dynamics and the Collapse of Socialism," (with Marina V. Rosser), Eastern Economic Association, Washington, March 1993, also presented at University of Wisconsin-Madison, July 1993.

"A Comparison of Comparative Economic Anthropologies," (with Marina V. Rosser), Eastern Economic Association, Washington, March 1993.

"Nonlinear Bubbles in Foreign Exchange Rates," (with Ehsan Ahmed and Melvin D. Ayogu), Southern Economic Association, Washington, November 1992.

"Schumpeterian Cycles and the Transition from Socialism to Capitalism," (with Marina V. Rosser), International Economic Association, Moscow, August 1992.

"The Limits of Predictability," Plenary Address, Workshop on Complex Ecological Economic Systems Modeling, Beijer International Institute of Ecological Economics, Swedish Royal Academy of Sciences, Stockholm, July 1992.

"Survey of Non Linear Dynamic Modelling in Economics," International Workshop on Non Linear Evolution of Spatial Economic Systems, Netherlands Institute for Advanced Study in the Humanities and Social Sciences, Wassenaar, June 1992.

- "Chaos and Rationality in Economics," Eastern Economic Association, New York, March 1992.
- "Chaotic Hysteresis and Systemic Economic Transformation," (with Marina V. Rosser), American Economic Association, New Orleans, January 1992.
- "Long Wave Chaos and Systemic Economic Transformation," (with Marina V. Rosser), Allied Social Science Association, New Orleans, January 1992.
- "Fundamental Issues in Nonlinear Urban Dynamic Models: Theory and a Synthesis," (with Dimitrios S. Dendrinos), Eastern Economic Association, Pittsburgh, March 1991.
- "Chaotic Bubbles in Foreign Exchange Rates," (with Ehsan Ahmed and Melvin Ayogu), American Economics Association, Washington, December, 1990.
- "The Economics of Species Extinction," International Federation of Organic Agriculture Movements, Budapest, Hungary, August 1990.
- "The Dialogue Between the Theories of Economic and Ecologic Evolution," Eastern Economic Association, Cincinnati, March 1990.
- "On the Possibility of Rational Deflationary Bubbles," Eastern Economic Association, Cincinnati, March 1990, also presented at University of Leuven, Belgium.
- "The Role of Discontinuity in Capital Theory," Allied Social Science Association, Atlanta, GA, December 1989.
- "Higher Dimensional Crashes of Semi-Rational Speculative Bubbles," Southern Economic Association, Orlando, FL, November 1989, also presented at Claude Fourgeaud Seminar on Economic Theory, Paris, November 1990.
- "Morphogenesis of Regional Systems," Southern Economic Association, Orlando, FL, November 1989.
- "Chaos Theory and the New Keynesian Economics," Southern Economic Association, San Antonio, Texas, November, 1988.
- "Continuity and Discontinuity in Economic Analysis," Virginia Social Science Association, Richmond, Virginia, March, 1985.
- "Saudi Oil Prices and Saudi Import Prices: The Global Inflationary Feedback Mechanism,"

Virginia Social Science Association, Charlottesville, Virginia, March, 1984.

"A Catastrophe Model of White Flight," Southern Economics Association, Washington, D.C., November, 1980.

"Reswitching as a Cusp Catastrophe," Western Economics Association, San Diego, June, 1980.

"The Emergence of the Megacorpstate and the Acceleration of Global Inflation," Virginia Social Science Association, Virginia Beach, March, 1980.

"Reswitching and Dynamic Discontinuities in Optimal Path Models," Southern Economics Association, Atlanta, Georgia, November 1979.

"Economic Impacts of Alternative Wastewater Disposal Systems," Virginia Economics Association, Virginia Beach, March, 1979.

"Prejudice, Expectations, and Ghetto Boundary Movement," Southern Economics Association, Washington, D.C., November, 1978.

"Reswitching Between Food and Energy Production in the Western United States," (with Raymond Prince), American Economics Association, Chicago, Illinois, August, 1978.

"Climate as a Factor of Production," Western Economics Association, Hawaii, June, 1978.

"Land-Use Implications of Sewer Extension Policies," Conference on Alternative State and Local Policies, Austin, Texas, June, 1976.

"Econometrics of a World Climate/Food Model," (with John Ross and Juliet Mak) to American Geographical Society, Milwaukee, Wisconsin, April, 1975.

Teaching Experience

James Madison University

Principles of Economics, Micro and Macro, Fall 1977-Spring 2007

Advanced Microeconomic Theory, Fall 2016, Fall 2014, Fall 2012, Spring 2010, Fall 2008, Fall 2006, Fall 2004, Spring 2002, Fall 2000, Fall 1998, Fall 1995, Fall 1993, Fall 1991, Fall 1989, Spring 1988, Fall 1985

Urban Economics, Spring 2015, Spring 2013, Spring 2012, Spring 2009, Fall 2007, Spring 2004, Spring 2001, Spring 1998, Spring 1994, Fall 1992, Spring 1990, Fall 1986, Spring 1985, Spring 1982, Fall 1978, Fall 1977

Environmental Economics, Spring 2018, Fall 2017, Fall 2016, Fall 2013, Spring 2012, Spring 2011, Fall 2009, Spring 2008, Spring 2007, Spring 2005, Fall 2003, Fall 2001, Spring 2000, Spring 1999, Spring 1997, Spring 1996, Spring 1993, Spring 1991, Fall 1983, Fall 1980, Fall 1979, Spring 1978
Soviet Economy, Spring 1987, Spring 1986, Spring 1980, Spring 1978
Regional Economics, Spring 2016, Spring 2014, Fall 2010, Fall 2005, Spring 2003, Fall 1999, Spring 1995, Spring 1992, Spring 1989, Spring 1984, Spring 1980, Spring 1979
Comparative Economic Systems, Fall 1996, Fall 1990, Spring 1979
Intermediate Microeconomics, Spring 1987, Fall 1986, Spring 1983, Fall 1982
Natural Resource Economics, Fall 1988
International Economics, Fall 1997
From Catastrophe to Chaos, Summer 2004, Università Politecnica di Ancona, Italy
International Finance, Spring 2006

Scuola Superiore Sant'Anna (Pisa, Italy)

Dynamics of Complex Economics, Summer 2013

Universidad de San Francisco de Quito, Ecuador

Dynamics of Economic Complexity, Summer 2011.

Mary Baldwin College

Urban Economics and Environmental Planning, Spring 1977

University of Wisconsin-Madison

Principles of Economics, Summer 1993, Summer 1992, Summer 1991, Summer 1989, Summer 1988, Summer 1986, Summer 1985, Summer 1979
Comparative Economic Systems, Summer 1993, Summer 1992, Summer 1991, Summer 1988, Summer 1986, Summer 1985
Soviet Economy, Summer 1989
Graded for Capitalism and Socialism, 1969-1972
Taught sections for Critiques of American Capitalism, 1972, 1971

Università Politecnica delle Marche (Ancona, Italy)

Graduate seminar in Economic Theory (in Italian), Summer 2004

Awards Received

Commented [JC4]: Place new entries at the top.

Phi Beta Kappa, first JMU faculty member honorary member, 2018-
Best Scholarly Paper, James Madison University College of Business, 2014
Ambassador of University of Urbino, Italy, 2012-
Recipient, Outstanding Faculty Award (OFA) by State Council on Higher Education in Virginia (SCHEV), 2011.
Recipient of *festschrift* book: *Nonlinear Dynamics in Economics, Finance, and the Social Sciences: Essays in Honour of John Barkley Rosser, Jr.*, edited by Gian-Italo Bischi, Carl Chiarella, and Laura Gardini, Berlin/Heidelberg: Springer, 2010.
Finalist, Outstanding Faculty Award (OFA) by State Council on Higher Education in Virginia (SCHEV), 2010.
Fellow, Economists for Peace and Security, 2009-
Premier Who's Who for Outstanding Professionals, 2009-2010.
5th Workshop on Modelli Dinamici in Economia e Finanza held in Honor of 60th Birthday of J. Barkley Rosser, Jr., University of Urbino, Italy, September 25-27, 2008
Great Minds of the 21st Century, American Biographical Institute, 2007-2008.
Outstanding Professional Service Award, James Madison University College of Business, 2006
American Library Association Choice Outstanding Book for 2006 for *The Changing Face of Economics: Conversations with Cutting Edge Economists*
Best Pedagogical Paper, James Madison University, College of Business, 2004
Who's Who in Higher Business Education, 2005-06
Who's Who in American Education, 2004-2005
Who's Who in the World, 2004-09
Who's Who in America, 2002-03
Nominated for President, Society for Chaos Theory in Psychology and the Life Sciences, 2001, 2006, 2012
Madison Scholar, JMU College of Business, 2000
International Who's Who of Professionals
International Who's Who of Public Service, 2000-01
Strathmore's Who's Who Millennium Edition, 2000-01
2000 Important Scientists of the Twentieth Century, 1999
Holder, Kirby L. Cramer, Jr. Chair of Business Administration, 1996-
2000 Important Scientists of the Twentieth Century
Who's Who in Science and Engineering, 1998-1999.
Honorary Fellow, University of Wisconsin-Madison, Summer 1996, Summer 1997, Summer 1998, Summer 1999, Summer 2000, Summer 2001, Summer 2003, Summer 2006, Summer 2009, Summer 2010
Who's Who in the South and Southwest, 1997-98
Nominated for Board of Directors, Eastern Economic Association, 1996, 1995
JMU College of Business Outstanding Academic Article, 1995
Madison Scholar, James Madison University, 1991-1992

Who's Who in Finance and Industry, 1991
Visiting Fellow, University of Wisconsin-Madison, Summer 1995, Summer 1994, Summer 1990
Who's Who in the Southeast, 1988, 1987
J.M.U. Faculty Educational Leave, Fall 2002, Fall 1994, Fall 1987
Nominated for Fulbright Fellowship to teach in USSR, 1985
J.M.U. Summer Research Grants, 2002, 1995, 1990, 1987, 1983, 1978
NDEA Fellowship, 1969-1972, University of Wisconsin-Madison
Phi Kappa Phi, B.A. with honors, both 1969

Foreign Language Proficiency

Reading and speaking knowledge of French
Speaking knowledge of Russian, Italian, and Arabic

Memberships

American Economic Association
Econometric Society
Southern Economic Association
Eastern Economic Association
Society for Nonlinear Dynamics and Econometrics (charter member)
Nonlinear Socio-Spatial Dynamics Society
International Society for Ecological Economics
Society for Study of Chaos in Psychology and the Life Sciences
New York Academy of Science
System Dynamics Society
Union of Radical Political Economists
United States Society for Ecological Economics (charter member)
History of Economics Society
Society for the Development of Austrian Economics
Society for the Study of Emerging Markets
Nonlinear Economic Dynamics Society (Founder, June 2009 at Jönköping, Sweden)
Complex Systems Society
World Economics Association
Nonequilibrium Social Sciences Group (Co-founder and Advisory Board member)

Editorial Duties

Board of Editors, Complexity Economics, Elsevier Publishers, 2017-
Founding Editor-in-Chief, *Review of Behavioral Economics*, 2012-
Editor, *Journal of Economic Behavior and Organization*, 2001-2010

Commented [JC5]: Place new entries at the bottom.

Coeditor, *Journal of Economic Behavior and Organization*, 2011
Honorary Editor, *Journal of Economic Behavior and Organization*, 2012-
Advisory Board Editor, *Evolutionary and Institutional Economics Review*, 2015-
Advisory Board Editor, *Metroeconomica*, 2015-
Book Review Editor, *Discrete Dynamics in Nature and Society*, 1997-2007
Associate Editor, *Discrete Dynamics in Nature and Society*, 2007-2013
Associate Editor, *Journal of Economic Behavior and Organization*, 1997-2000
Associate Editor, *Nonlinear Dynamics, Psychology and Life Sciences*, 1997-
Book Review Editor, *Journal of Economic Behavior and Organization*, 1993-1997, 2000-2004
Book Review Editor, *Socio-Spatial Dynamics*, 1991-1994
Associate Editor, *Journal of Post Keynesian Economics*, 1999-
Board of Editors, New Windows Series, Springer, 2004-
Coeditor, Special Series, Oxford University Press, 2008-

Journal Reviewer

Commented [JC6]: Place new entries at the top.

Complexity
Review of Keynesian Economics
Social Epistemology
History of Political Economy
Eastern European Economies
Forest Policy and Economics
Macroeconomic Dynamics
Environmental and Resource Economics
Journal of Economic Surveys
Mathematical Social Sciences
Studies in the History and Philosophy of Modern Physics
Journal of the History of Economic Thought
Journal of Economic Interaction and Coordination
Metroeconomica
Journal of Law, Economics and Organization
IET Control Theory & Applications
Geografiska Annaler B
Economic Modelling
Journal of Institutional and Theoretical Economics
European Physical Journal B
Environmental and Development Economics
Journal of Institutional Economics
Journal of Economic Education
International Review of Applied Economics
Investigación Económica

Physica A
Journal of Mathematical Sociology
Journal of Evolutionary Economics
International Game Theory Review
Journal of Economic Dynamics and Control
Structural Change and Economic Dynamics
Journal of Geographical Systems
Networks and Spatial Economics
Journal of Economic Methodology
Agricultural Economics
Economic Journal
Economies in Transition
Review of Political Economy
Management Science
Journal of Comparative Economics
Computational and Mathematical Organization Theory
Review of Austrian Economics
Nonlinear Dynamics, Psychology, and Life Sciences
Review of Social Economy
Research in Political Economy
Scandinavian Journal of Economics
Eastern Economic Journal
Social Science Quarterly
Journal of Post Keynesian Economics
Land Economics
Studies in Economic Analysis
International Economic Review
Journal of Economic Behavior and Organization
Socio-Spatial Dynamics
International Review of Economics and Finance
Bioscience
Chaos, Solitons & Fractals
Annals of Regional Science
Journal of Macroeconomics
Geographical Analysis
Journal of Environmental Economics and Management
Ecological Economics
American Journal of Economics and Sociology

Manuscript Reviewer

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World Scientific
John Wiley and Sons
Edward Elgar Publishing
Cambridge University Press
Prentice-Hall
McGraw-Hill
Scott Foresman
Kluwer Academic Publishers
Oxford University Press
Johns Hopkins University Press
Routledge

Committees and Service

Commented [JC8]: Place new entries at the top.

Research Associate, Center for Applied Macroeconomic Analysis (CAMA), Program in Behavioral Macroeconomics and Complexity, Australian National University, 2016-
Chair, Executive Board, Society for Nonlinear Economic Dynamics, 2013-
Co-Founder, group for Non-Equilibrium Social Science (NESS), at Cully, Switzerland, November, 2010

Member, Core Advisory Group of EI/NESCent Project on Evolutionary Economics, 2010-
Founder, Society for Nonlinear Economic Dynamics, at Jönköping, Sweden, June 2009

Member, International Scientific Committee, Conference on Economic Science of Heterogeneous Interacting Agents, Beijing Normal University, June 2009

Organizer and Host of Conference on “Transdisciplinary Perspectives on Economic Complexity,” James Madison University, May 2008.

Search Committee for Chairs in Management and Accounting, JMU College of Business, 2008

Scientific Advisory Board of Max Planck Institute of Economics, Jena, Germany, 2008-

International Program Committee, Data in Complex Systems conference, European Coordination Action of the General Integration of the Applications of Complexity in Science, Palermo, 2008

Candidate for President, Society for Chaos Theory in Psychology and Life Sciences, 2001, 2006, 2012

International Scientific Committee, Grid Finance, 2006, Palermo, Italy

Search Committee, Wampler-Longacre Chair of Marketing, JMU College of Business, 2005

International Scientific Committee, New Economic Windows II, Complexity Hints for Economic Policy Design, 2004, Salerno, Italy

Madison Scholar, JMU College of Business, 2000 (co-recipient with Marina V. Rosser)

International Scientific Committee, Conference on Economic Complexity, 2002, 2006, Aix-en-Provence

Program Committee, International Conference on Discrete Chaotic Dynamics in Nature and Society, May 2000

Chair, Wheat Finance Chair Search Committee, JMU COB, Spring 2000

Chair, External Review Committee, JMU chemistry Department Assessment, Spring 2000
AACSB Committee on Intellectual Contributions, 1999-2001
MBA Policy Committee, 1998
JMU General Education Committee on Social Sciences, Cluster 4, (1996-97, 2000-2001)
College of Business Curriculum and Instruction Committee (1996-97)
Presidential Nominating Committee, Eastern Economic Association (1996)
Program Committee, Southern Economic Association (1995, 2005)
Program Committee, Eastern Economic Association (1994, 1997, 1998, 2001)
Outstanding Economics Student Paper Committee, Chair (1989-90), member (1992-93)
Economics Department Head Search Committee (1989-90)
Chairman Department Tenure PAC (Fall 1989, Fall 1988)
Founding Economics Club Adviser (1987)
College of Business Building Committee (1986-87)
MBA Task Force (1986-87)
Undergraduate Commission (1985-86)
Senate Curriculum and Instruction Committee (1985-87)
J.M.U. Faculty Senate (1985-87)
Omicron Delta Epsilon (Economics Honor Society) Adviser (1983-87)
Ad Hoc Grant Evaluation Committee, School of Business (Fall, 1983)
Chairman Departmental Recruiting Committee (1992-93, 1983-84)
Chairman Departmental Curriculum and Instruction (1982-83, 1988-89, 1993-94, 1996-97)
Business--Anthropology Committee (1980)
Chairman SACS Admissions Subcommittee (1980)
Business School AACSB Committee (1980, 1989-90)
Departmental Recruiting Committee (1978-84, 1988-89, 2004-05))
Urban and Regional Studies Committee (1977-)
Russian and Asian Studies Committee (1977-2001)
Departmental Curriculum and Instruction (1977-78, 1986-87, 1988-89, 1991-)
Faculty Evaluation (Fall, 1977)
Coordinator, Economics Department Faculty Seminar Coordinator, (1990-)
College of Business Committee on Promotion and Tenure Standards, (1991-92)
Madison Scholar Selection Committee (1992-93)
Faculty Adviser, JMU Amnesty International, (1988-2005)
Environmental Studies Minor Committee (1990-)
University Summer Research Grant Committee (1993-94)
Economics Department Seminar Coordinator (1991-)
College of Business Committee for Best Research Award (1993-94, 1995-96)
JMU Applied Mathematics Committee (1995-2000)
Numerous talks to local groups and media at the local, state, national, and international levels on a variety of economic topics

Administrative

Assistant to Faculty Member in Residence, JMU Semester Abroad in Paris, Autumn 1994, Autumn 2002

Faculty Member in Residence, JMU Semester Abroad in Paris, Autumn 1990, Autumn 1997
Assistant to Faculty Member in Residence, JMU Semester Abroad in Florence, Autumn, 2011

Public Communication

Regular Co-Blogger, *Maxspeak, You Listen!*, 2005-2007, ranked as 12th most read economics blog out of 140 as of August, 2007 by Economics Blog Directory & Ranking, http://www.26econ.com/page_id=26.

Regular Co-Blogger, *Econospeak*, 2007-, ranked #36 for daily visits out of 138 business and economics blogs according to Gongol Traffic Rankings for Business and Economics Websites, <http://www.gongol.com/lists/bizeconsites>, May 2013

Regular Co-Blogger, *Angry Bear*, 2017-.

Consulting

Government

National Science Foundation, 2001
Commonwealth of Virginia Legislature, 1977
U.S. Forest Service, 1980
State of Wisconsin Investment Board, 1991

Private

Saudi Computer and Information Center, 1981
Bios Group, Inc., 2000

Expert Witness in Virginia

Department of Motor Vehicles Market Area Cases

Richmond, Virginia; Attorney--Mark Wishner of Washington, D.C.; 1986
Charlottesville, Virginia; Attorney--Philip Santos of Staunton, Virginia; 1978
Staunton, Virginia; Attorney--Thomas Wood of Staunton, Virginia; 1977

Estimating Income for Divorce Case

Winchester, Virginia; Attorney--Philip Stone of Harrisonburg, Virginia; 1984

Commented [JC9]: Place new entries at the bottom.

Estimating Present Value of Income Due to Wrongful Death Case

Harrisonburg, Virginia; Attorney--James N. Dickson, III of Harrisonburg, Virginia; 1991
Bridgewater, Virginia; Grant A. Richardson of Bridgewater, Virginia; 1990
Harrisonburg, Virginia; Attorney--Henry Clark of Harrisonburg, Virginia; 1987
Estimating Present Value of Lost Income Due to Wrongful Injury
Fairfax, Virginia; Attorney--John McGrath of Luray, Virginia; 1992
Harrisonburg, Virginia; Attorney--Roger Ritchie of Harrisonburg, Virginia; 1987

Estimating Present Value of Future Lost Wages Due to Injury

Luray, Virginia; Attorney--George Warren Shanks of Luray, Virginia, 1991
Luray, Virginia; Attorney--George Warren Shanks of Luray, Virginia, 1989

Estimating Present Value of Future Lost Wages Due to Employment Discrimination

Harrisonburg, Virginia; Attorney--Timothy Cupp, 1995
Harrisonburg, Virginia; Attorney--Timothy Cupp, 1996